



MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

Kawneer Company, Inc.
555 Guthridge Court
Norcross, GA 30092

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "350 IR" Aluminum Outswing Storefront Door-L.M.I.

APPROVAL DOCUMENT: Drawing No. 1569 Rev B, titled "350 IR 9' Outswing Aluminum Storefront Doors - LMP", sheets 1 through 7 of 7, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/02/08 and last revised on SEP 04, 2013, signed and sealed by Warren W. Schaefer, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:

1. When doors are installed into Kawneer's Storefronts or Curtain Wall System (under separate approvals), such system must provide reinforced mullions per detail G1/6 & G2/6, proper Door openings sizes limitations and door mullion end anchors and to be reviewed by Building official. Lower Design Pressure of the Door or the System shall control the entire assembly.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA #11-1027.15 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 14-0128.10
Expiration Date: April 22, 2019
Approval Date: March 20, 2014
Page 1

2/13/14

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (Submitted under files # 11-1027.15 /#08-0219.07)
2. Drawing No. **1569 Rev B**, titled "350 IR 9' Outswing Aluminum Storefront Doors - LMI", sheets 1 through 7 of 7, prepared by W.W. Schaefer Engineering & Consulting, P.A., dated 04/02/08 and last revised on SEP 04, 2013, signed and sealed by Warren W. Schaefer, P. E.

Note: This revision consists of updating interlayer manufacturer in sheet 6.

B. TESTS (transferred from file # 08-0219.07)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94

Along with marked-up drawings and installation diagrams of aluminum outswing storefront doors, prepared by Hurricane Test Laboratory, Inc., Test Reports No.

HTL-0049-0611-04 dated 06-07-04, HTL- 0049-1106-04 dated 11/03/04 and

G049-1005-06 dated 10/03/06, all signed and sealed by Vinu J. Abraham, P. E.

(Note: The above test reports have been revised by addendum letters, issued by Hurricane Testing lab, dated FEB 10, 2009, signed & sealed by Vinu J. Abraham, P.E.)

2. Additional test report # **HTL- G049-1005-06**, dated 10/03/06 per TAS 201, 202 & 203, issued by Hurricane Testing Lab, signed and sealed by Vinu J. Abraham, P. E.

C. CALCULATIONS (Calcs submitted under files # 11-1027.15)

1. Anchor verification calculations, complying with FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 10/06/11, signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

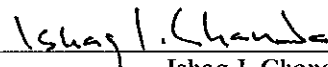
1. Notice of Acceptance No. **12-1231.10** issued to Eastman Chemical Company, (Former Solutia Inc.) for "Saflex: Clear & color glass interlayer", expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance to FBC 2010 & "No financial interest", prepared by W. W. Schaefer Engineering & Consulting, P.A., both dated Jan 22, 2014, signed and sealed by Warren W. Schaefer, P.E.
2. Statement of Lab compliance, as part of above referenced test reports.

G. OTHER

1. This NOA revises & renews NOA # 11-1027.15, expiring on 04/22/2014.
2. Kawneer 1600 System 1 Curtain wall, IR 500 & IR 501 Storefront System, under separate approval.



Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 14-0128.10
Expiration Date: April 22, 2019
Approval Date: March 20, 2014

GENERAL NOTES:

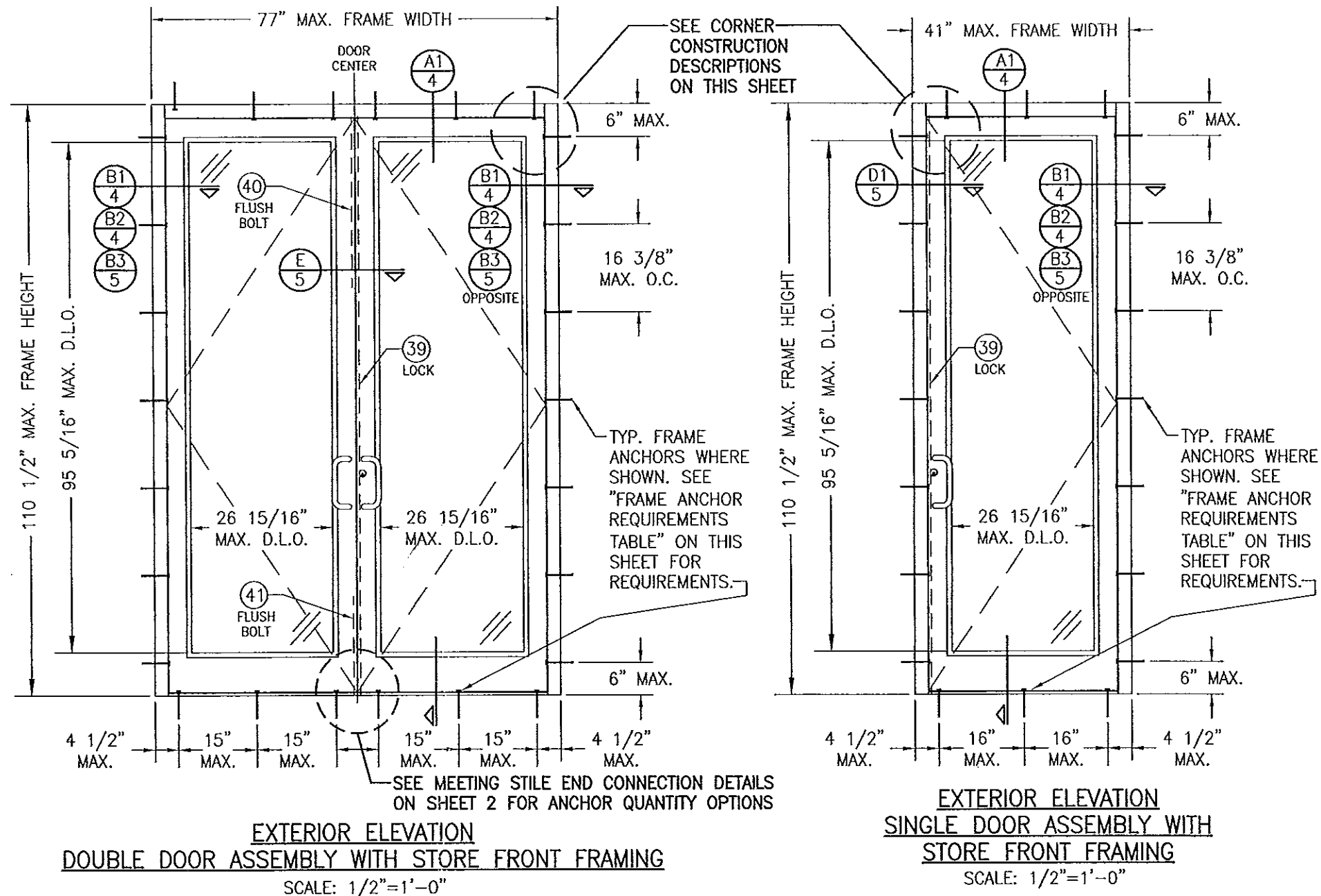
1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $KD = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $CD = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

CORNER & FRAME END CONSTRUCTION FOR SHEET 1 ELEVATIONS:

FRAME HEAD CORNER: HEAD IS SQUARE CUT, BUTTED TO SIDE, FASTENED WITH THREE (3) NO. 12 X 1" S.S. PHTFs FASTENERS THROUGH THE SIDE MEMBER INTO THE HEAD MEMBER SCREW SPLINES & SEALED WITH SILICONE.

FRAME SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, SECURED TO THE SIDE MEMBER USING A PIVOT ASSEMBLY OR STEEL CLIP, FASTENED WITH THREE (3) NO. 12-24 X 3/8" FHMS AT THE FRAME & TWO (2) NO. 12-24 X 3/8" FHMS AT THE SILL, & SEALED WITH SILICONE.

DOOR PANEL CORNERS: VERTICAL STILES RUN THROUGH AND ARE SECURED TO THE RAILS AT THE TOP & BOTTOM WITH 1/4" THICK EXTRUDED CHANNELS. EACH CHANNEL IS FASTENED TO THE STILE & RAIL WITH 1/4-20 X 3/4" PHMS & 3/16" THICK STEEL NUT PLATES. THE INTERSECTION OF EACH CORNER JOINT WAS WELDED WITH A 1/2" DIA. PLUG WELD AND A 1 1/8" LONG FILLET WELD AT BOTH WEBS OF THE RAIL.



EXTERIOR ELEVATION
DOUBLE DOOR ASSEMBLY WITH STORE FRONT FRAMING
SCALE: 1/2"=1'-0"

EXTERIOR ELEVATION
SINGLE DOOR ASSEMBLY WITH
STORE FRONT FRAMING
SCALE: 1/2"=1'-0"

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SHEAR SCREWS				
ANCHOR TYPE	OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
A	MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 12 SMS OR WOOD SCREW	1 1/4"	3/4"
B	MIN. 16 GA. 50 KSI METAL STUD	(2) NO. 12 GR. 5 SELF TAP/DRILLING SCREW	FULL	1/2"
C	MIN. 0.22" THICK A36 STEEL	(2) 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
D	MIN. 0.1" THK 6063-T6 ALUM. /CURTAIN WALL	(2) 1/4-14 SELF DRILL/TAPPING SCREW	FULL	1/2"
E	(3) C-90 CMU/3000 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 3/4"	2"

- (1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S. OR S.S.).
- (2) SELF DRILLING & SELF TAPPING SCREWS SHALL BE MIN. GRADE 5 CORROSION RESISTANT STEEL
- (3) C-90 CMU IS ONLY APPLICABLE AT SIDES OF DOOR OPENING (NOT APPLICABLE TO HEAD & SILL)

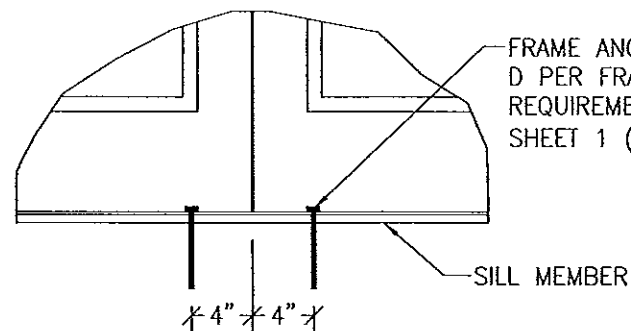
ALLOWABLE DESIGN PRESSURE
+/-65 PSF

NOTE: THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR. UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION, UNITS SHALL BE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC SECTION 1714.5.

PRODUCT REVISED
in compliance with the Florida
Building Code
Acceptance No. 14-0128-10
Expiration Date APR 22, 2019
By: Isahag I. Chaudhary
Engineer, State of Florida

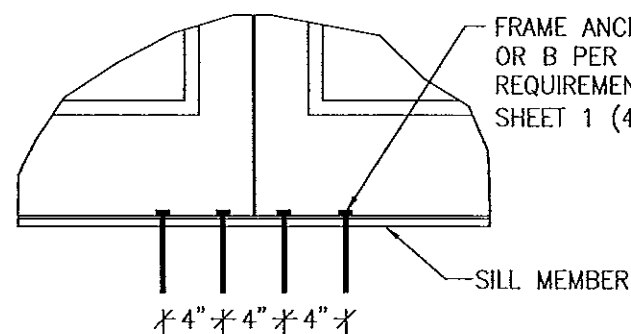
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/02/08	
DATE	BY	REVISION DESCRIPTION	NO.
10/06/11	W.R.M.	A1 UPDATE TO CURRENT STANDARDS	1
09/04/13	W.R.M.	B1 UPDATE CLASS DESCRIPTION	2
<p>DRAWING TITLE: 350IR 9' OUTSWING ALUMINUM STOREFRONT DOORS - LMI</p> <p>MANUFACTURER: KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555</p> <p>CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424</p> <p>CERTIFICATION: SEP 04 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135</p> <p>DRAWING NO. 1569 SHEET NO. 1 OF 7</p>			



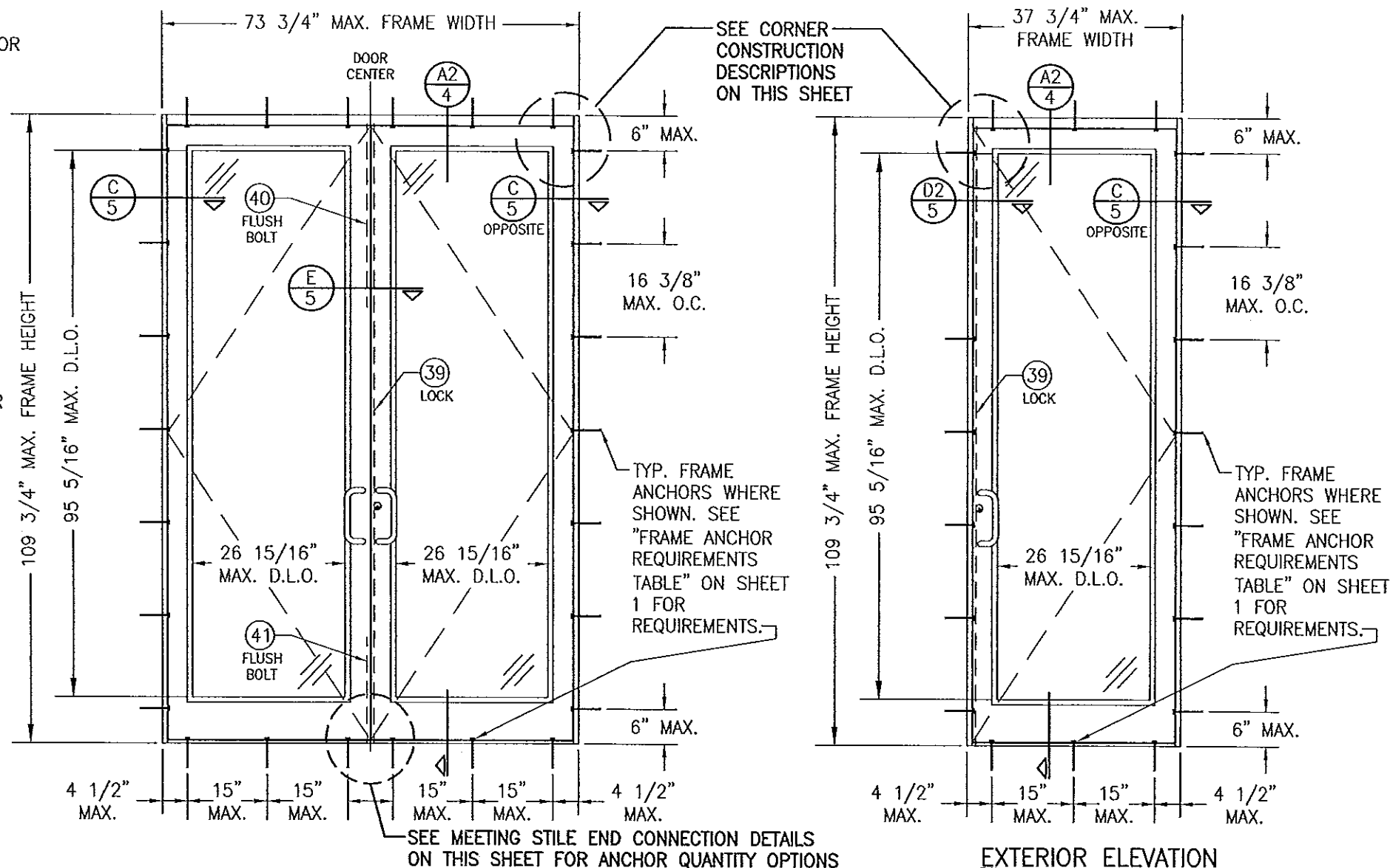
MEETING STILE END CONNECTION (ANCHOR TYPE C OR D)

(SILL CONDITION SHOWN; HEAD CONDITION IS SAME)



MEETING STILE END CONNECTION (ANCHOR TYPE A, B OR E)

(SILL CONDITION SHOWN; HEAD CONDITION IS SAME)



EXTERIOR ELEVATION DOUBLE DOOR ASSEMBLY WITH STANDARD FRAMING

SCALE: 1/2"=1'-0"

EXTERIOR ELEVATION SINGLE DOOR ASSEMBLY WITH STANDARD FRAMING

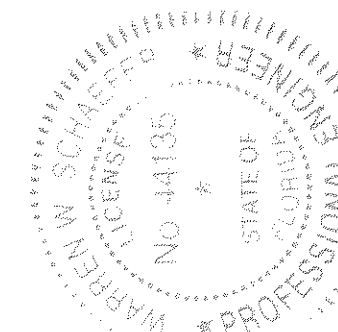
SCALE: 1/2"=1'-0"

ALLOWABLE DESIGN PRESSURE
+/-65 PSF

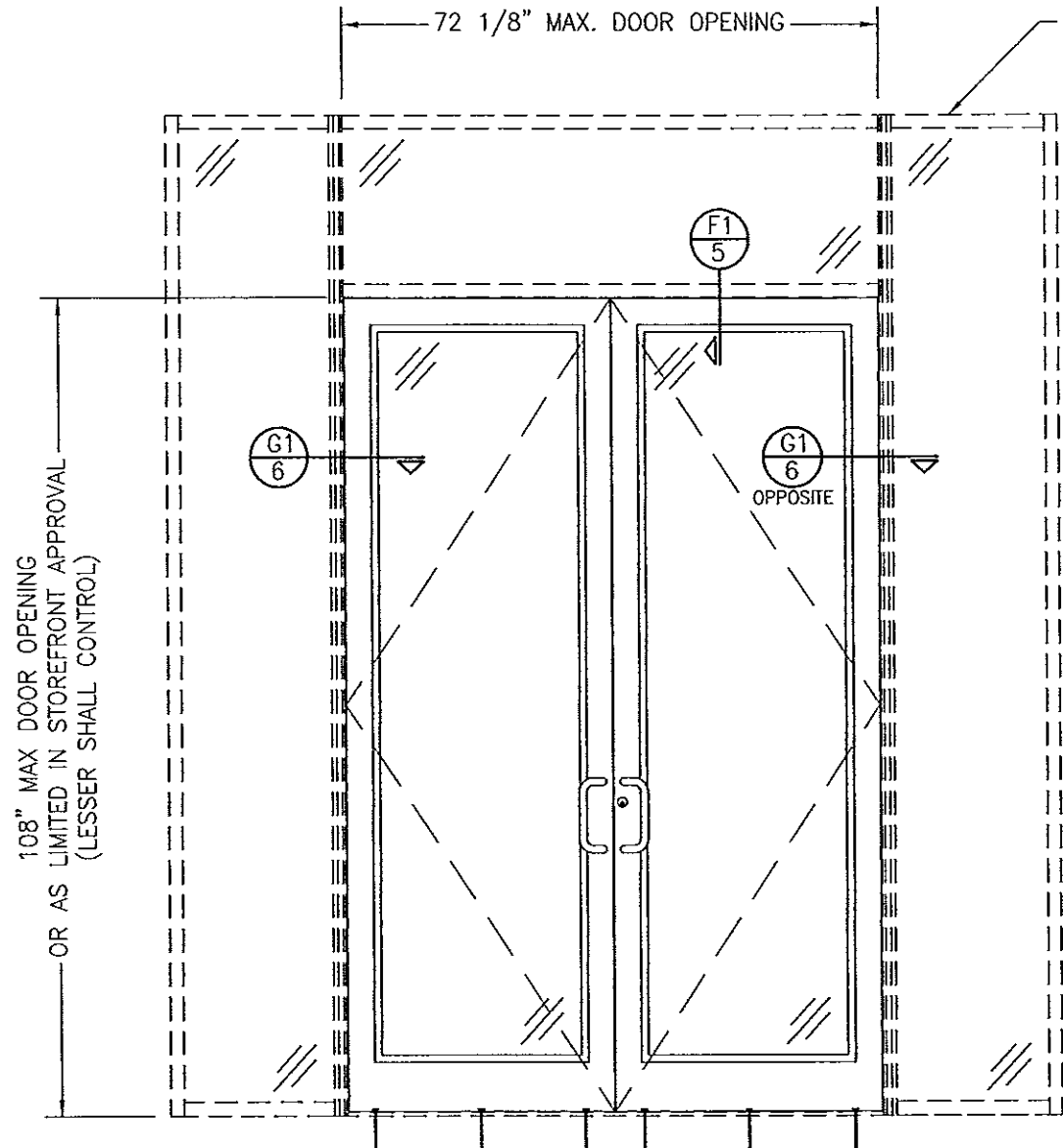
CORNER & FRAME END CONSTRUCTION FOR SHEET 2 ELEVATIONS:

FRAME HEAD CORNER: HEAD IS SQUARE CUT, BUTTED TO SIDE, SECURED WITH SHEAR BLOCK ITEM# 16 (SEE SECTION A2/4) & SEALED WITH SILICONE.
FRAME SILL CORNER: SILL IS SQUARE CUT, BUTTED TO SIDE, SECURED TO THE SIDE MEMBER USING A PIVOT ASSEMBLY OR STEEL CLIP, FASTENED WITH THREE (3) NO. 12-24 X 3/8" FHMS AT THE FRAME & TWO (2) NO. 12-24 X 3/8" FHMS AT THE SILL, & SEALED WITH SILICONE.
DOOR PANEL CORNERS & MIDRAIL ENDS: SEE SHEET 1 CORNER DESCRIPTIONS.

PRODUCT REVISED
No. complying with the Florida
Building Code
Acceptance No. 14-0128-10
Expiration Date 4/22/19
By: [Signature]
Signed: [Signature]
Signed: [Signature]



DRAWING BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 04/02/08	
DATE	BY	REVISION DESCRIPTION	NO.
DRAWING TITLE: 350IR 9' OUTSWING ALUMINUM STOREFRONT DOORS - LMI			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CERTIFICATION SEP 04 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1569 SHEET NO. 2 OF 7	

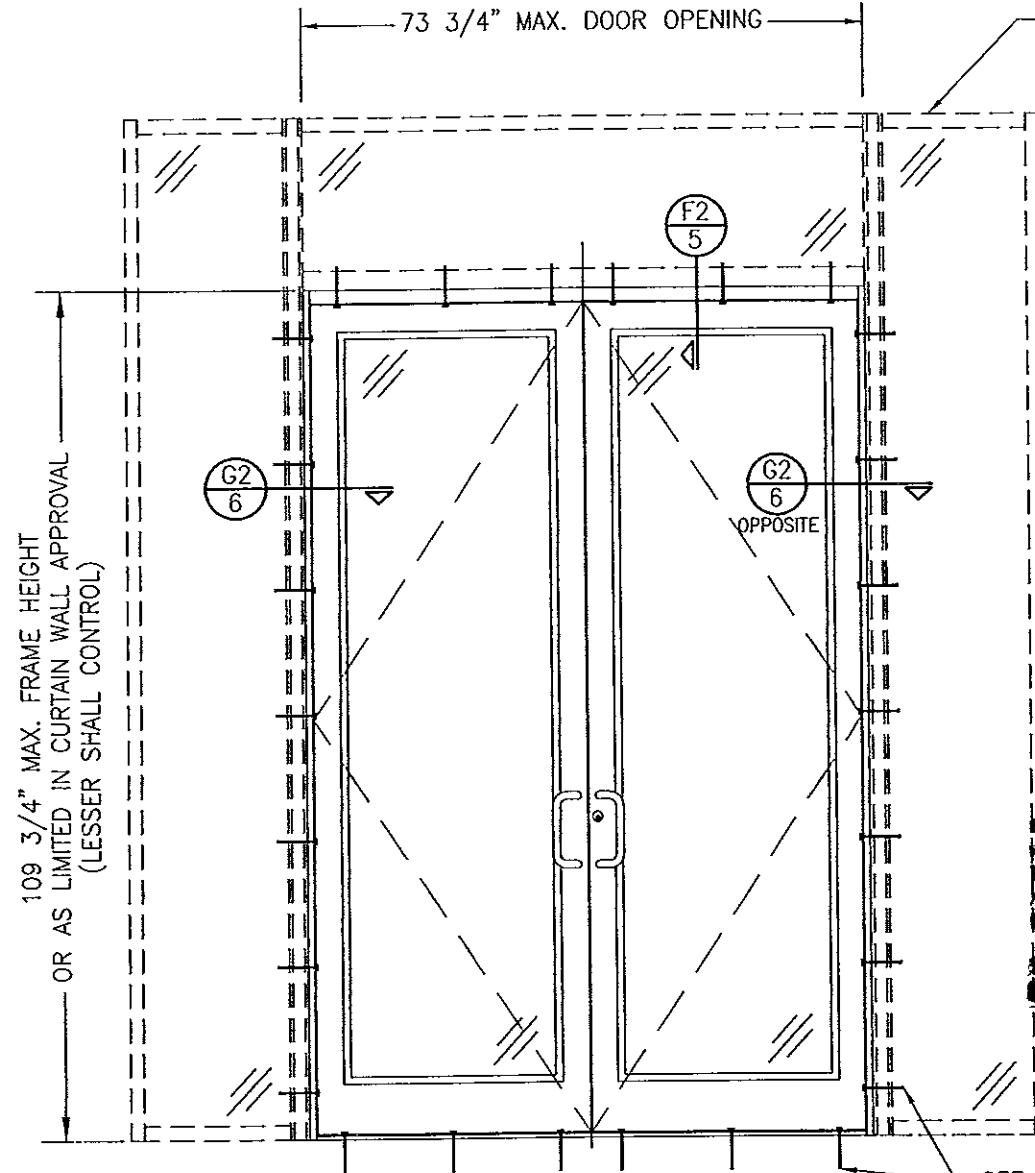


EXTERIOR ELEVATION
DOORS INSIDE IR-500 OR IR-501 STORE FRONT SYSTEM
SCALE: 1/2"=1'-0"

NOTES:

1. FOR DETAILS NOT SHOWN, SEE ELEVATIONS ON SHEET 1.
2. DOUBLE DOOR SHOWN; SINGLE DOOR CONDITION ALSO APPLIES.
3. FOR STORE FRONT FRAMING REQUIREMENTS & INSTALLATION, SEE RESPECTIVE STORE FRONT APPROVAL.

ALLOWABLE DESIGN PRESSURE
+/-65 PSF



EXTERIOR ELEVATION
DOORS INSIDE 1600 SYSTEM 1 CURTAIN WALL
SCALE: 1/2"=1'-0"

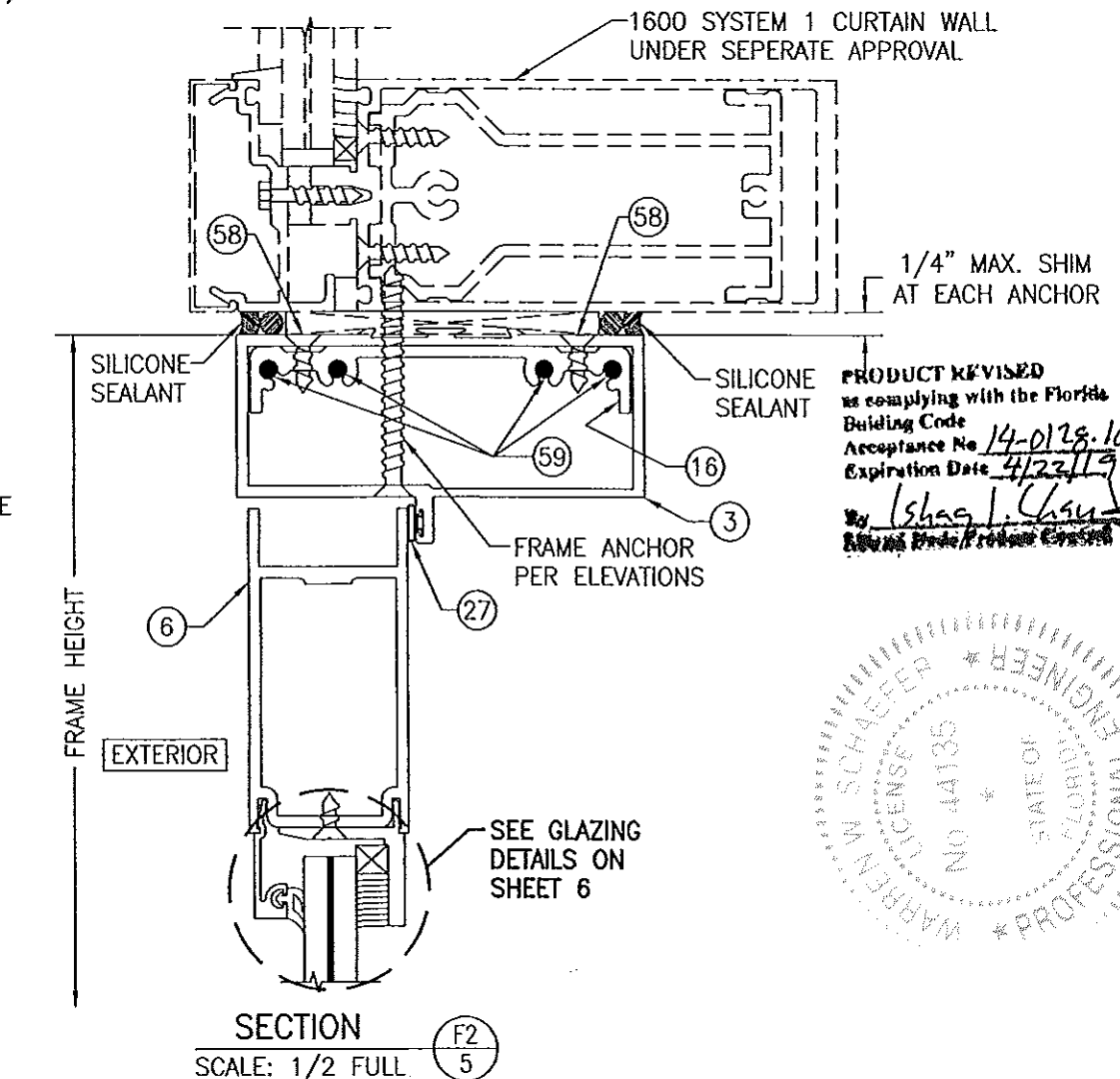
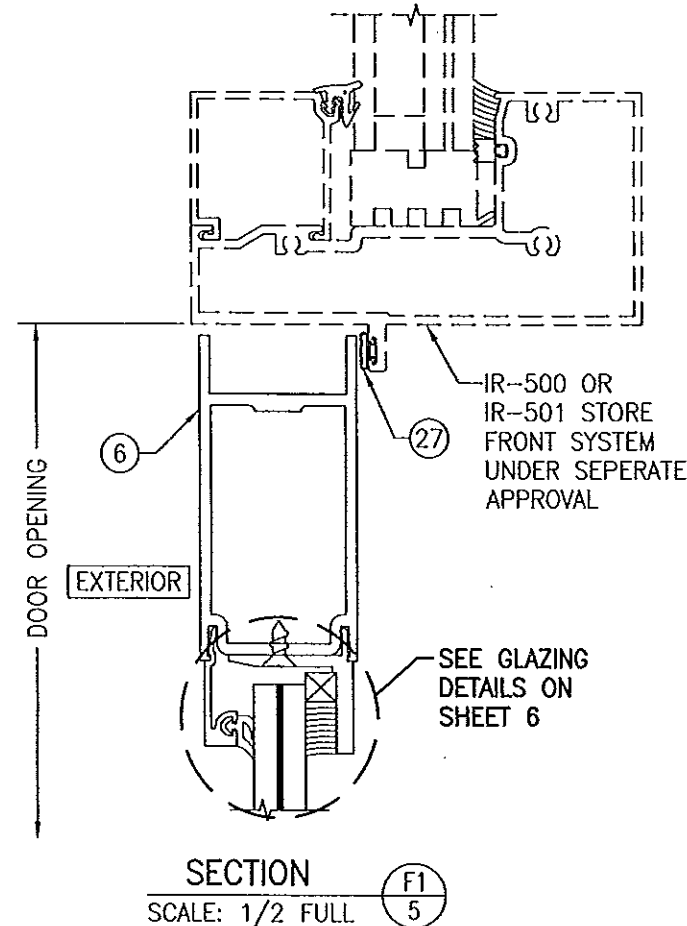
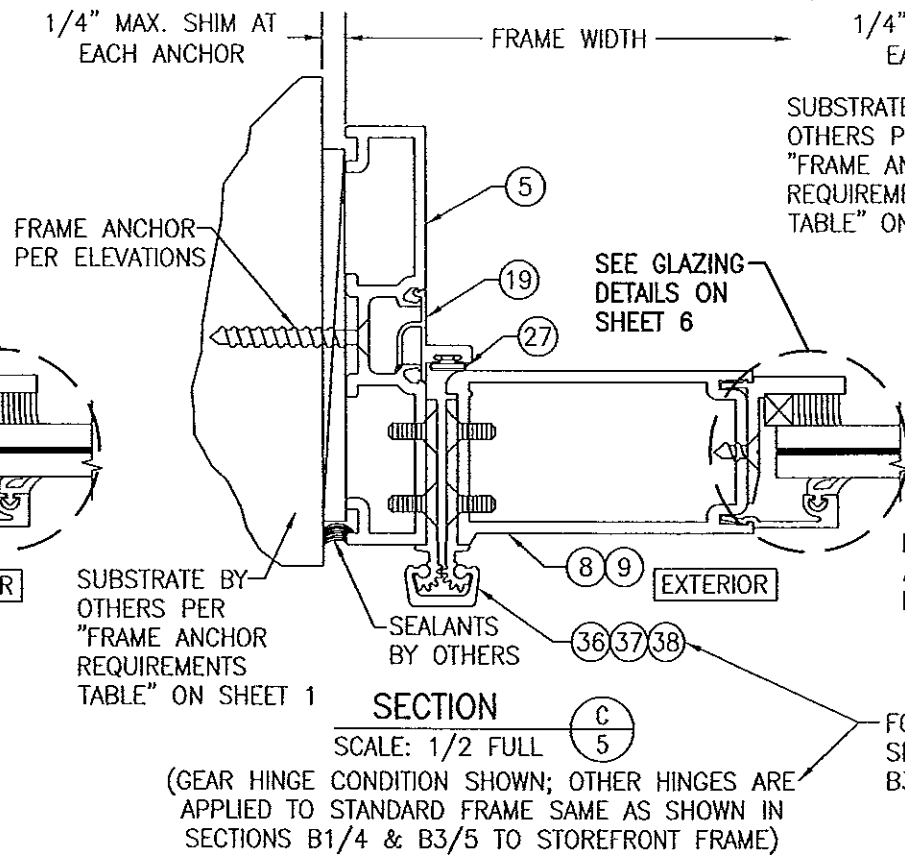
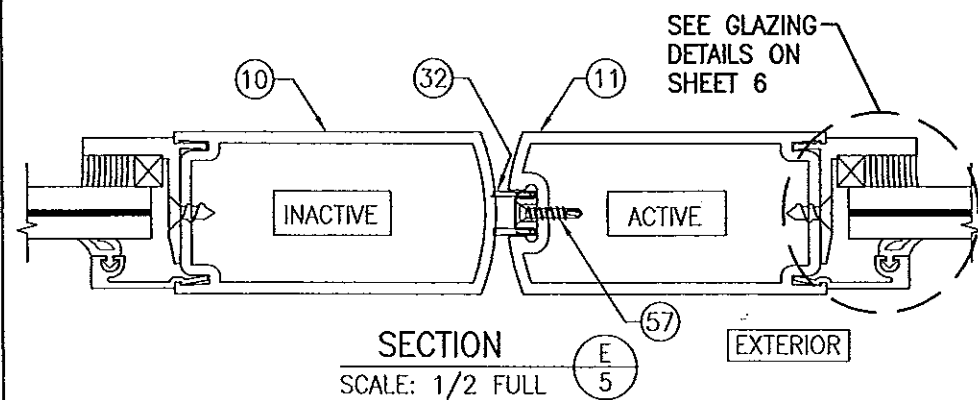
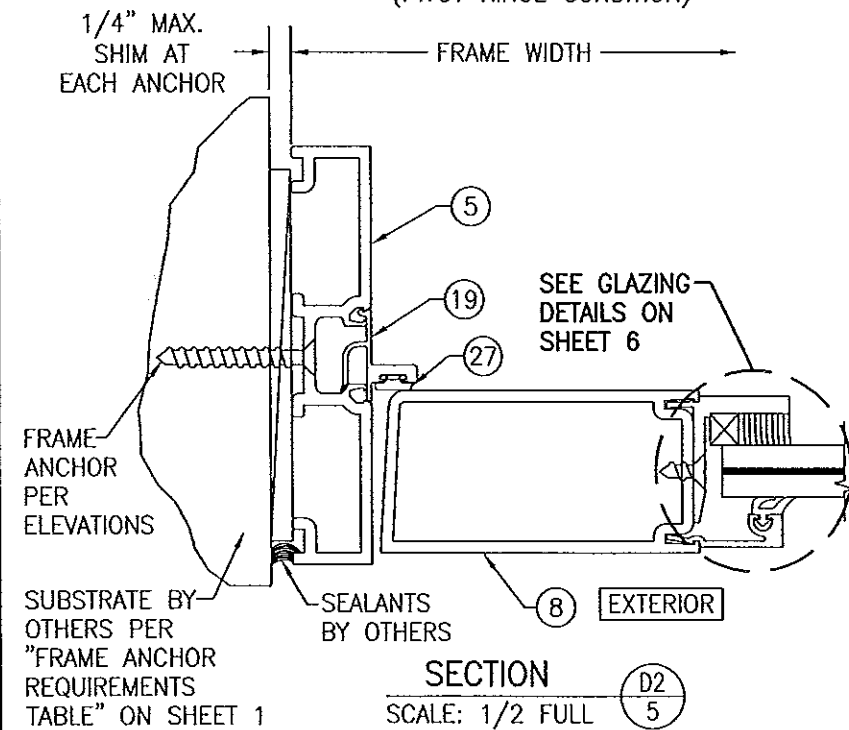
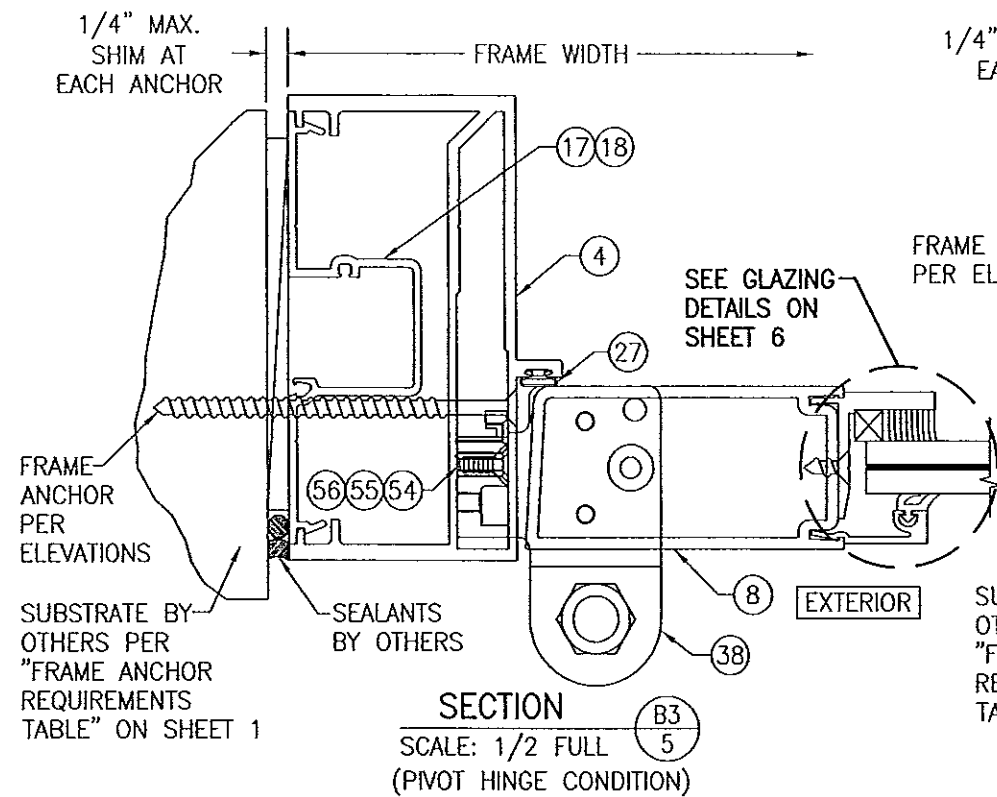
NOTES:

FOR DETAILS NOT SHOWN, SEE ELEVATIONS ON SHEET 2.
DOUBLE DOOR SHOWN; SINGLE DOOR CONDITION ALSO APPLIES.
FOR CURTAIN WALL FRAMING REQUIREMENTS & INSTALLATION, SEE RESPECTIVE CURTAIN WALL APPROVAL.

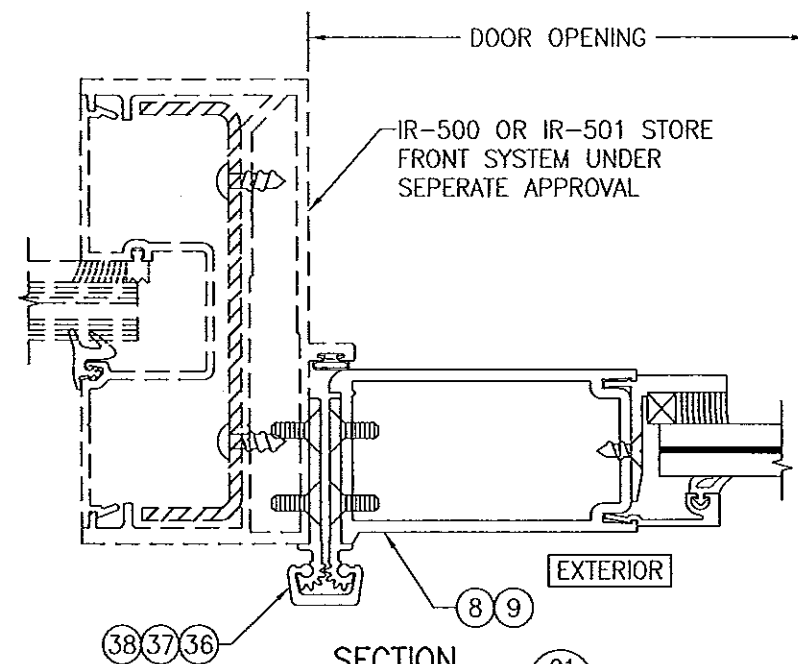
PRODUCT REVISED
to comply with the Florida
Building Code
Acceptance No. 14-0125-10
Expiration Date 2/1/22
by [Signature]
Product Control

SEE ELEVATIONS ON SHEET 2
FOR FRAME ANCHOR
REQUIREMENTS & POSITIONS
AROUND DOORS

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=24		DATE: 04/02/08	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE 350IR 9' OUTSWING ALUMINUM STOREFRONT DOORS - LMI			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION SEP 04 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135		DRAWING NO. 1569	
SHEET NO. 3 OF 7		REV. B	

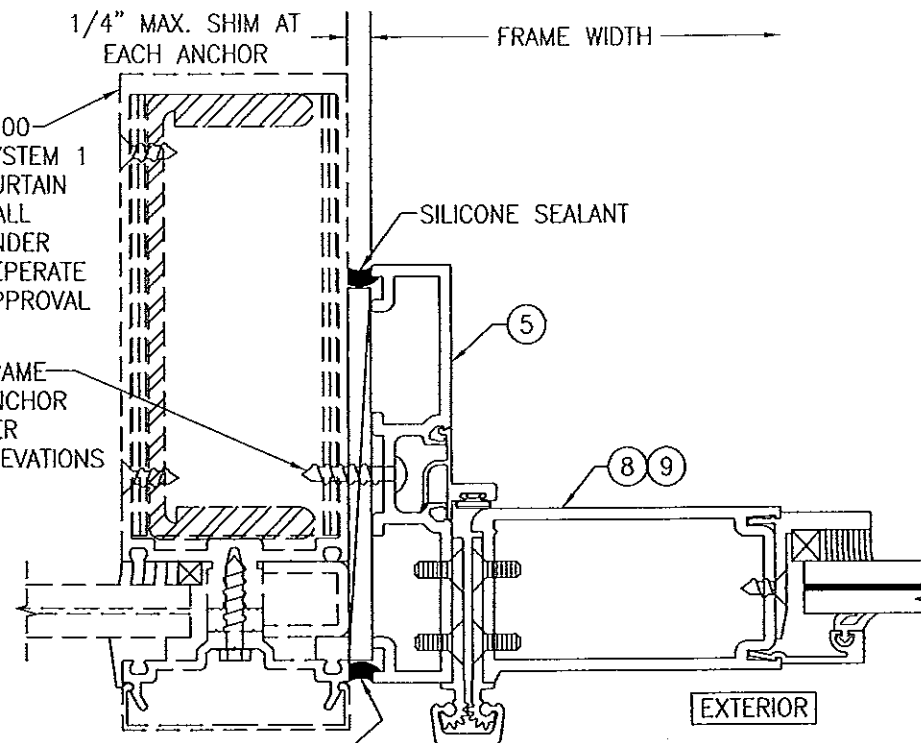


DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/02/08
DATE	BY
REVISION DESCRIPTION	NO.
DRAWING TITLE 350IR 9' OUTSWING ALUMINUM STOREFRONT DOORS - LMI	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 14-0128.10 Expiration Date 4/23/19 By: [Signature] Show No. [Signature]	
CERTIFICATION SEP 04 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1569	REV. B
SHEET NO. 5	OF 7



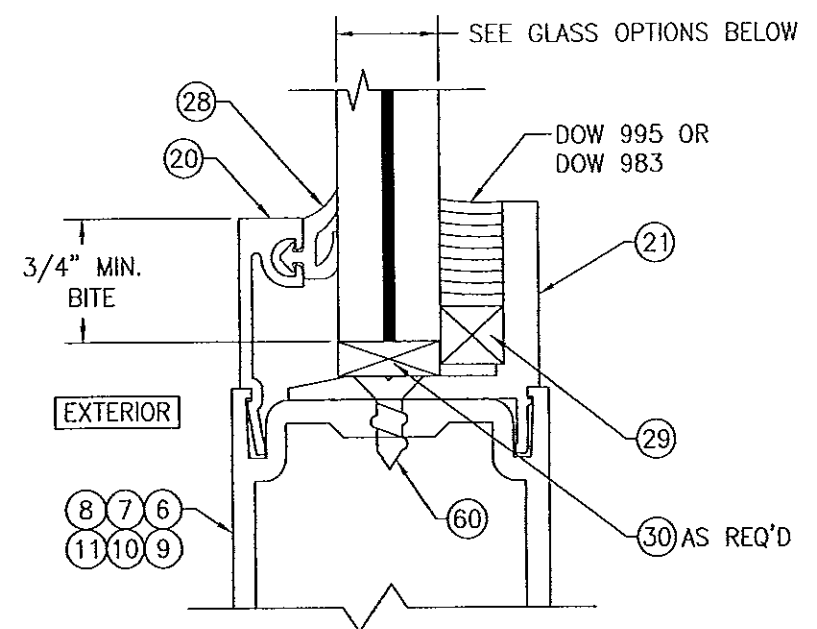
SECTION G1
SCALE: 1/2 FULL

(GEAR HINGE CONDITION SHOWN; BUTT & PIVOT HINGE CONDITIONS ALSO APPLY)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



SECTION G2
SCALE: 1/2 FULL

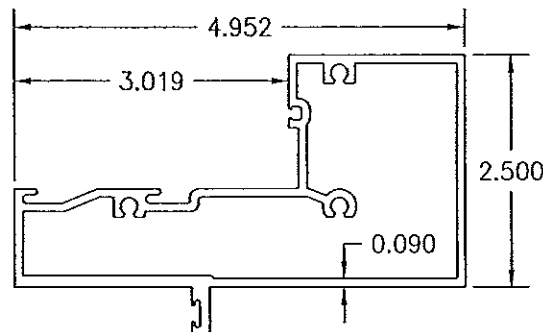
(GEAR HINGE CONDITION SHOWN; BUTT & PIVOT HINGE CONDITIONS ALSO APPLY)
(FOR DETAIL NOT SHOWN, SEE SECTION C/5)



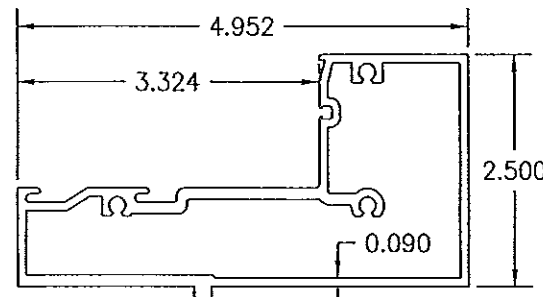
TYP. GLAZING DETAIL
SCALE: 1/1 FULL

GLASS OPTIONS:

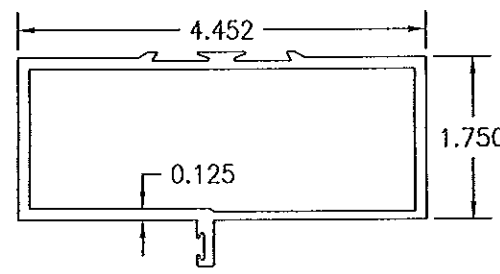
- OPTION 1: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.100 EASTMAN CHEMICAL CO. SAFLEX/1/4" HT. ST.)
OPTION 2: 9/16" THICK LAMINATED GLASS (1/4" HT. ST./0.090 EASTMAN CHEMICAL CO. SAFLEX/1/4" HT. ST.)



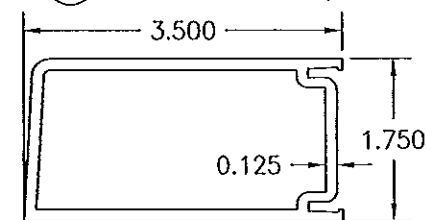
1 HEAD FRAME (IR-500)



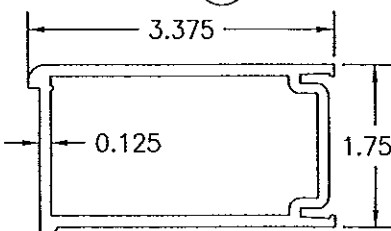
2 HEAD FRAME (IR-501)



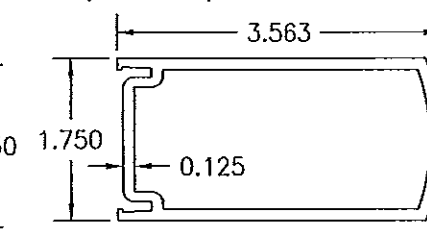
3 HEAD JAMB



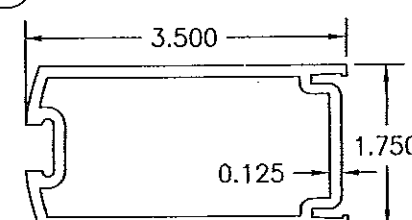
8 DOOR STILE
(APPLICABLE WITH
BUTT & PIVOT
HINGES)



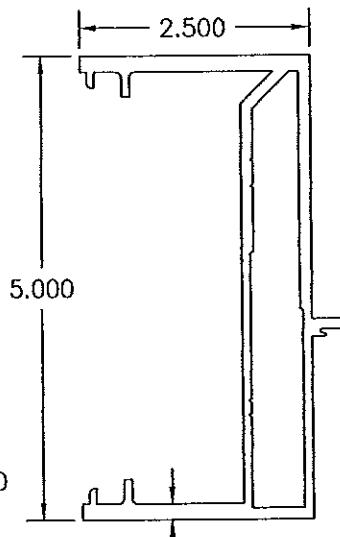
9 DOOR STILE
(APPLICABLE WITH
CONTINUOUS HINGE)



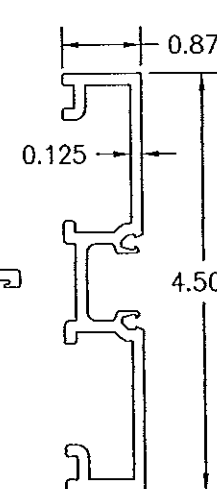
10 INACTIVE DOOR
MEETING STILE



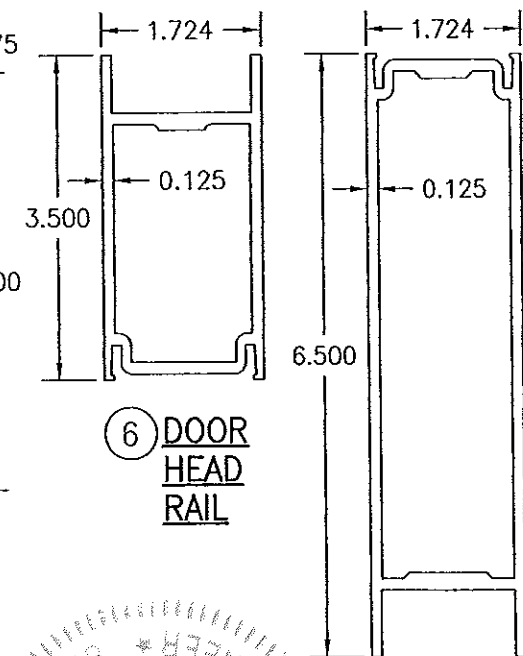
11 ACTIVE DOOR
MEETING STILE



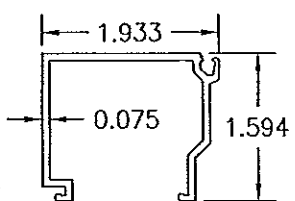
4 SIDE FRAME
(IR-500 OR
IR-501)



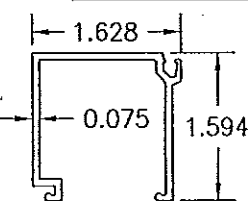
5 SIDE
JAMB



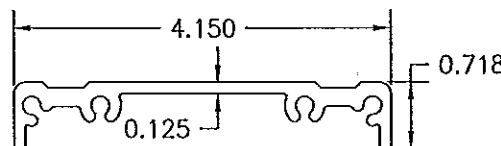
6 DOOR
HEAD
RAIL



14 HEAD FRAME
FILLER (IR-500)

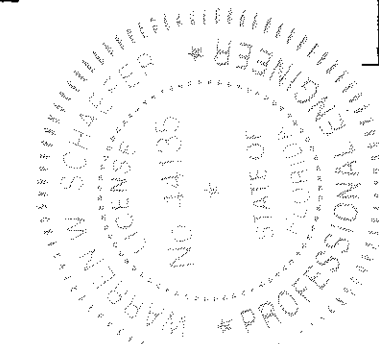


15 HEAD FRAME
FILLER (IR-501)



16 SHEAR BLOCK

PRODUCT REVISED
No complying with the Florida
Building Code
Acceptance No. 14-0128-10
Expiration Date 4/22/19
By: [Signature]
Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 04/02/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 350IR 9' OUTSWING ALUMINUM STOREFRONT DOORS - LMI	
MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-449-5555	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION SEP 04 2013 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1569	REV. B
SHEET NO. 6 OF 7	

